



IOWA DEPARTMENT OF NATURAL RESOURCES

PETROLEUM CONTAMINATED SOIL SINGLE USE LANDFARM EARLY CLOSURE FORM



Single-use landfarming agencies shall submit the following closure form to the department and department field office with jurisdiction over the landfarm if the single use landfarm is to be closed before 3 years after the last application date.

Send the completed application with attached information to:

Planning, Permitting & Engineering Section
Energy & Waste Management Bureau
Iowa Department of Natural Resources
502 E 9th Street
Des Moines, IA 50319
Fax: (515)-281-8895

Visit <http://www.iowadnr.com/fo> for a listing of field offices addresses and jurisdictions

Questions contact Matt McDonald at (515)-281-8150 or matt.mcdonald@dnr.state.ia.us

For information on Emergency Response Spills, call (515)-281-8694 or visit <http://www.iowadnr.com/spills/>

SECTION 1. CONTACT INFORMATION

Provide the name, address and telephone number for the following:

Landfarming Agency Owner(s)

Name: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Phone Number: _____

IDNR Existing Permit Number for Agency: _____ - SDP - - PCS

PCS Landfarming/Storage Location Owner

Name: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Phone Number: _____

Legal Description of Landfarm that will be Closed:

(you may attach a legal description from your county assessor)

_____ ¼ of _____ ¼ of _____ ¼ Section _____ Township _____ N Range _____ E/W County _____.

SECTION 2: LANDFARM CLOSURE INFORMATION

Date PCS was last land applied:	Total area in square feet of landfarm plot to be closed:
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SECTION 3. CLOSURE FORM CHECKLIST

Checking the appropriate boxes below certifies that the attachments submitted in conjunction with this closure form are complete and in compliance with the applicable chapters of the Iowa Administrative Code. While some of the attachments below may have been submitted previously, updated copies of each is required to be provided with the closure form.

Required Document	Attached
Section A. Map of Landfarm	<input type="checkbox"/>
Section B. Documentation that Landfarm is Eligible for Early Closure [IAC 567 Chapter 120.12(2)]	<input type="checkbox"/>
Section C. Chemical Analysis of Petroleum Contaminated Soil [IAC 567 Chapter 120.12(2)“a”]	<input type="checkbox"/>

SECTION 4. LANDFARMING AGENCY OWNER CERTIFICATION FOR SINGLE USE LANDFARM CLOSURE

I certify under penalty of law that I am the owner or a authorized representative of the landfarming agency for which this Petroleum Contaminated Soil Closure Form is submitted, and that I have examined and am familiar with the closure requirements in accordance with Iowa Administrative Code 567-Chapter 120, and that the information I have provided is true, accurate and complete.

Signature: _____

Date: _____

Printed Name: _____

SECTION 5. LANDFARMING SITE OWNER CERTIFICATION FOR LANDFARMING AND STORAGE OF PCS

I certify I own the application or storage site for the petroleum contaminated soil referenced above and I acknowledge the landfarming practices described in this closure form and the closure requirements contained in Iowa Administrative (IAC) Code 567-Chapter 120.

Signature: _____

Date: _____

Printed Name: _____

DOCUMENTS TO BE ATTACHED

SECTION A. MAP OF LANDFARM

- ➡ Provide a map that shows the location of the landfarm plot to be closed. Clearly mark the following on the map:
- Landfarm plot site boundary that is to be closed
 - Dimensions of landfarm plot to be closed
 - Other landfarm plots that have been utilized
 - Locations where the landfarm closure soil samples were obtained in the landfarm plot

SECTION B. DOCUMENTATION THAT LANDFARM IS ELIGIBLE FOR EARLY CLOSURE

- ➡ Provide documentation that landfarm has met the following requirements for early closure:
- A minimum of 6 months has past since PCS has been land applied.

SECTION C. CHEMICAL ANALYSIS OF PETROLEUM CONTAMINATED SOIL [IAC 567 CHAPTER 120.12(2)“A”]

- ➡ The following analyses shall be performed. Samples shall be acquired, stored, handled, tested and reported in accordance with the required methodology and accepted scientific procedures. A laboratory certified for UST petroleum analyses pursuant to IAC 567-Chapter 83 shall test samples. The analysis shall utilize the most recent version of Method OA-1 and OA-2, “Method for Determination of Volatile Petroleum Hydrocarbons (Gasoline),” University of Iowa Hygienic Laboratory. A copy of the results including the chain of custody must be attached to this form.
- BTEX testing. The landfarm plot shall be tested for benzene, toluene, and ethylbenzene.
 - TEH-diesel testing. The landfarm plot shall be tested for total extractable hydrocarbons.
 - MTBE testing. The landfarm plot shall be tested for methyl tertiary-butyl ether unless prior analysis of the soil has shown that MTBE is not present in the soil.

Limits to be met by each sample:

- Benzene – 0.54 mg/kg
- Toluene – 42 mg/kg
- Ethylbenzene – 15 mg/kg
- TEH-diesel – 3800 mg/kg
- MTBE – 0.02 mg/kg

One sample shall be taken from each 10,000 ft² (e.g., 100-foot x 100-foot area) of landfarm plot area and be analyzed for the above constituents. Soil samples shall be taken from the top 2 to 6 inches of soil. Place the results in the table below in milligrams per kilogram (mg/kg).

	Benzene	Toluene	Ethylbenzene	TEH-diesel	MTBE
Sample #1					
Sample #2					
Sample #3					
Sample #4					
Sample #5					
Sample #6					
Sample #7					
Sample #8					
Sample #9					
Sample #10					